

THE COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

Sir:

Transmitted herewith for filing under 37 CFR § 1.53(b) is the patent application of

Inventor(s): Oleg D. Lavrentovich, Dmitry Voloschenko and Sergij Shiyanovskii

For: NON-LITHOGRAPHIC PHOTO-INDUCED PATTERNING OF POLYMERS FROM LIQUID CRYSTAL SOLVENTS WITH SPATIALLY MODULATED DIRECTOR FIELDS

Applicants verify that they qualify for small entity status under 37 CFR 1.9 and 37 CFR 1.27

Enclosed are:

- ☒ Specification, Claims and Abstract  
☒ 5 sheets of formal drawing(s)  
☐ An assignment of the Invention to  
☐ A certified copy of a ^ application  
☐ An associate power of attorney  
☒ (Other) - Unexecuted Declaration and Power of Attorney (4 pages)

The filing fee has been calculated as shown below:

For:	Small Entity					Other Than A Small Entity	
	No. Filed	No. Extra	Rate	Fee	Or	Rate	Fee
Basic Fee				\$370.00			\$710.00
Total Claims	24 -20	4	x9	\$36.00		x18	\$
Indep Claims	3 -3	0	x40	\$		x80	\$
Multiple Dep. Claim Presented			135			+270	\$
				Total \$406.00		Total	

☐ Please charge my Deposit Account No. 18-0987 the amount of \$\_\_\_\_\_. A duplicate copy of this sheet is enclosed.

☒ A check in the amount of \$406.00 to cover the filing fee is enclosed.

☒ The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 18-0987. A duplicate copy of this sheet is enclosed.

- ☒ Any additional filing fees required under 37 CFR 1.16  
☐ Any patent application processing fees under 37 CFR 1.17

☐ The Commissioner is hereby authorized to charge payment of the following fees during the pendency of this application or credit any overpayment to Deposit Account No. 18-0987. A duplicate copy of this sheet is enclosed.

- ☐ Any patent application processing fees under 37 CFR 1.17  
☐ The Issue Fee set in 37 CFR 1.18 at or before mailing of the Notice of Allowance, pursuant to 37 CFR 1.311(b)  
☐ Any filing fees under 37 CFR 1.16 for presentation of extra claims

Respectfully submitted,



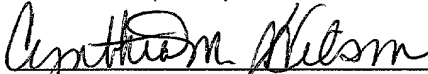
John J. Cunniff (Reg. No. 42,451)  
 Renner, Kenner, Greive, Bobak, Taylor & Weber  
 4<sup>th</sup> Floor, First National Tower  
 Akron, OH 44308-1456  
 (330) 376-1242

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of )  
)  
Oleg D. Lavrentovich, )  
Dmitry Voloschenko and )  
Sergij Shiyanovskii )  
)  
Serial No. N/A )  
)  
Filed: Herewith )  
)  
For NON-LITHOGRAPHIC )  
PHOTO-INDUCED )  
PATTERNING OF POLYMERS )  
FROM LIQUID CRYSTAL )  
SOLVENTS WITH SPATIALLY )  
MODULATED DIRECTOR )  
FIELDS )

CERTIFICATE OF MAILING  
VIA EXPRESS MAIL

I hereby certify that this correspondence was deposited with the United States Postal Service as Express Mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on this 27th day of September, 2001



Cynthia M. Wilson, Sec'y to John J. Cunniff  
Express Mail Label No. EL726086060US

**EL726086060US**

**TRANSMITTAL SHEET**

Enclosed are the following documents:

Specification (17 pages including Abstract)  
5 Sheets of Formal Drawings  
Unexecuted Declaration and Power of Attorney (4 pages)  
Non-Publication Request (1 page)  
FORM PTO - 1082 (1 page)  
Application Data Sheet (2 pages)  
Check in the amount of \$406.00  
Return Receipt Post Card

**AUTHORIZATION TO CHARGE DEPOSIT ACCOUNT**

The Commissioner is hereby authorized to charge payment of any fees associated with this communication or credit any overpayment to Deposit Account No. 18-0987.

Respectfully submitted,



John J. Cunniff, Reg. No. 42,451  
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Attorney for Applicants

September 27, 2001

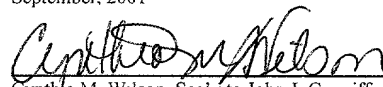
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**NONPUBLICATION REQUEST PURSUANT TO 37 CFR § 1.213**


ASSISTANT COMMISSIONER FOR PATENTS

Washington, D.C. 20231

Sir:

The Applicants, through their attorney, hereby request that the above-captioned application filed herewith not be published under 35 U.S.C. § 122(b). The Applicants certify that the invention disclosed in the application has not been and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

Respectfully submitted,



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September 27, 2001

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